

**INTERNATIONAL WORKSHOP ON MUTUAL RECOGNITION
AGREEMENTS FOR TELECOMMUNICATIONS EQUIPMENT**

**National Institute of Standards and Technology
Gaithersburg, Maryland USA
October 3-7, 2005**

AGENDA

**Monday, October 3, 2005
NIST Administration Building 101, Green Auditorium**

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| 8:00 AM | First Bus pick up at Gaithersburg Hilton Hotel to NIST |
| 8:30 AM | Second Bus pick up at Gaithersburg Hilton Hotel to NIST |
| 9:00-9:30 | <i>Welcome to NIST and Overview of Workshop</i> Mary H. Saunders, Chief Standards Services Division, Technology Services National Institute of Standards and Technology (NIST) |
| 9:30-10:30 | <i>NIST's Role in the World Trade Center Investigations</i> Dr. William Grosshandler, Chief Fire Research Division, Building and Fire Research Laboratory, NIST |
| 10:30-11:00 | <i>Coffee Break</i> Sponsored by ACIL, the American Council of Independent Laboratories Website: http://www.acil.org/ |
| 11:00-11:45 | <i>Keynote Address – Conformity Assessment Systems in Transition: A Successful Formula for Mutual Recognition Agreements</i> Julius Knapp, Deputy Chief Office of Engineering Technology Federal Communications Commission (FCC) |
| 11:45-12:30 | <i>A Comparison: ISO/IEC 17025 1999 vs. 2005</i> Daniel Hoolihan, President Hoolihan EMC Consulting |
| 12:30-1:30 | <i>Buffet Lunch</i> Sponsored by American TCB & Washington Laboratories Websites: http://www.atcb.com/ and http://www.wll.com/ |
| 1:30-3:00 | <i>Overview of the European Union's Revised Electromagnetic Compatibility (EMC) Directive</i> Hilton Carr, Task Manager, Certification and Technical Development BABT Product Service, United Kingdom |
| 3:00-3:30 | <i>Refreshment Break</i> Sponsored by Retlif Testing Laboratories Website: http://www.retlif.com/index-f.html |
| 3:30-5:00 | <i>Impact of the Revised EMC Directive on the German EMC Regime and Market Surveillance Activities</i> Franz Müller, Conformity Assessment Body Program Manager Bundesnetzagentur für Elektrizität, Gas, Telekommunikation, Post und Eisenbahnen (Federal Network Agency), Germany |
| 5:15 PM | First Bus pick up at NIST to Gaithersburg Hilton Hotel |
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**Tuesday, October 4, 2005
NIST Administration Building 101, Green Auditorium**

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| 8:00 AM | First Bus pick up at Gaithersburg Hilton Hotel to NIST |
| 8:30 AM | Second Bus pick up at Gaithersburg Hilton Hotel to NIST |
| 9:00-9:30 | <i>The Regional Accreditation Cooperation of the Americas and its Multi-Lateral Recognition Arrangements</i> Victor Gandy, Executive Secretary Inter-American Accreditation Cooperation (IAAC) |
| 9:30-10:00 | <i>Introduction and Implementation of the CITELE MRA</i> Efrain Guevara, Manager, Interconnection Standards Telecommunication Engineering and Certification Spectrum Engineering Branch, Industry Canada |
| 10:00-10:30 | <i>Caribbean Telecommunication Equipment Market Trends: Selected Issues</i> Roderick Sanatan, Manager, Research and Development Centre for International Services Trade University of the West Indies, Barbados |
| 10:30-11:00 | <i>Coffee Break</i> Sponsored by the American Association of Laboratory Accreditation (A2LA) Website: http://www.a2la.org/ |
| 11:00-12:30 | <i>Implementation of Mutual Recognition Agreements</i> Marcos de Souza Oliveira, Certification Manager Agência Nacional de Telecomunicações (National Telecommunications Agency), ANATEL, Brazil |
| 12:30-1:30 | <i>Buffet Lunch</i> Sponsored by Bay Area Compliance Laboratory Website: http://www.baclcorp.com/ |
| 1:30-2:15 | <i>Protocols for Conformity Assessment</i> Alberto Zetina, Government Relations, Policy, and Regulations Manager Ericsson, Mexico |
| 2:15-3:00 | <i>Homologation and Certification of Telecommunications Equipment</i> Ruben Arenas, Manager of Telecommunications Services Homologation Coordination Comision Nacional de Telecomunicaciones (National Telecommunications Commission), CONATEL, Venezuela |
| 3:00-3:30 | <i>Refreshment Break</i> Sponsored by Curtis Straus/Bureau Veritas Website: http://curtis-strauss.com/ |
| 3:30-4:00 | <i>Regulatory Framework for the Homologation of Telecommunication Equipment and Apparatus in Paraguay</i> |

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| | <i>Victor Martinez</i> , Analyst, Technical Office Comision Nacional de Telecomunicaciones (National Telecommunications Commission), CONATEL, Paraguay |
| 4:00-4:30 | <i>Industry Canada Update on MRA Implementation</i> <i>Efrain Guevara</i> |
| 4:30-5:00 | <i>Conformity Assessment for Telecommunications Equipment</i> <i>Rafael Fernández Correa</i> , Manager of Authorizations and Licenses Instituto Dominicano de las Telecomunicaciones (Dominican Institute for Telecommunications), INDOTEL, Dominican Republic |
| 5:15 PM | First Bus pick up at NIST to Gaithersburg Hilton Hotel |
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**Wednesday, October 5, 2005
NIST Administration Building 101, Green Auditorium**

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| 8:00 AM | First Bus pick up at Gaithersburg Hilton Hotel to NIST |
| 8:30 AM | Second Bus pick up at Gaithersburg Hilton Hotel to NIST |
| 9:00-9:30 | <i>Introduction to the U.S.-Japan MRA</i> Jonathan McHale, Director W.T.O. and Asia-Pacific Telecommunications Affairs Office of the U.S. Trade Representative |
| 9:30-10:30 | <i>Conformity Assessment Systems in Japan</i> Tomohiro Nakajima, Deputy Director Electromagnetic Environment Division Radio Department, Telecommunications Bureau Ministry of Internal Affairs and Communications (MIC), Japan |
| 10:30-11:00 | <i>Coffee Break</i> Sponsored by PCTEST Engineering Laboratory Website: http://www.pctestlab.com/ |
| 11:00-11:30 | Japan Overview (con't) |
| 11:30-12:30 | <i>Initiation of the Kit Module Program</i> Haruyoshi Nagasawa, Executive Board Director Voluntary Control Council for Interference (VCCI), Japan |
| 12:30-1:30 | <i>Lunch Buffet</i> Sponsored by Compliance Certification Services Website: http://www.ccsemc.com/ |
| 1:30-3:00 | <i>EMC, EMR, SAR, Telecom, Wireless, and Safety Requirements in Australia</i> Chris Zombolas, Technical Director EMC Technologies |
| 3:00-3:30 | <i>Refreshment Break</i> Sponsored by L.S. Research and L.S. Compliance Website: http://www.lsr.com/ |
| 3:30-4:00 | <i>Introduction to the ASEAN Telecommunication Regulators' Council Mutual Recognition Arrangement (ATRC MRA)</i> Melinda Tan, International Manager Infocomm Development Authority of Singapore (IDA) |
| 4:00-5:00 | <i>Introduction to IDA Scheme for Foreign Certification Bodies</i> Melinda Tan, IDA, Singapore |
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Thursday, October 6, 2005
NIST Administration Building 101

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| 8:00-9:00 AM | <i>Telecommunication Certification Body (TCB) Council Business Meeting</i> <i>Barbara Judge, Chair</i> This session is open to all members of the TCB Council Employee Lounge |
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| Track One – Employee Lounge | | Track Two – Green Auditorium |
|------------------------------------|--|---|
| 8:00 AM | First Bus pick up at Gaithersburg Hilton Hotel to NIST | |
| 8:30 AM | Second Bus pick up at Gaithersburg Hilton Hotel to NIST | |
| 9:00-9:45 | <i>TCB Council Meeting</i> (This session is open to all participants.) <i>Barbara Judge, Chair</i> <i>ANSI Accreditation Process for Product Certification Programs</i> <i>Reinaldo Figueiredo, Program Director</i> Product Certification Accreditation American National Standards Institute (ANSI) <i>Additional agenda items will be provided by the TCB Council.</i> | <i>Introduction to the FCC Equipment Authorization Program and Overview of the FCC Rules</i> <i>George Tannahill</i> Electronics Engineer, FCC |
| 9:45-10:30 | <i>Air Traffic Management Equipment and the EU R&TTE Directive</i> <i>Hilton Carr, Task Manager</i> Certification and Technical Development, BABT Product Service United Kingdom | <i>FCC Basics of Unlicensed Transmitters</i> <i>Joe Dichoso</i> Electronics Engineer, FCC |
| 10:30-11:00 | <i>Coffee Break</i> Sponsored by the TCB Council Website: http://www.tcbcouncil.org/ | |
| 11:00-12:30 | <i>Technology Update – Multiple Antenna Wireless: Going Mainstream</i> <i>Arogyswami Paulraj, Ph.D.</i> Professor, Stanford University | <i>FCC Basics of Licensed Transmitters Part One</i> <i>Steve Dayhoff</i> Electronics Engineer, FCC |
| 12:30-1:30 | <i>Buffet Lunch</i> Sponsored by the TCB Council | |

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| | Website: http://www.tcbcouncil.org/ | |
| 1:30-3:00 | <i>Technology Updates*</i> <ul style="list-style-type: none"> • WiMAX IEEE 802.16 • Ultrawide Band Applications | <i>FCC Basics of Licensed Transmitters Part Two</i> <i>Andy Leimer</i> Electronics Engineer, FCC |
| 3:00-3:30 | <i>Refreshment Break</i> Sponsored by the TCB Council Website: http://www.tcbcouncil.org/ | |
| 3:30-5:00 | <i>TCBC Application Review and Grant Conditions Panel</i> Moderator: <i>Barbara Judge</i> , TCB Council Chair Panelists: <i>Joe Dichoso</i> , FCC <i>Steve Dayhoff</i> , FCC <i>Andy Leimer</i> , FCC <i>Raymond LaForge</i> , FCC <i>Bette Taube</i> , FCC <i>Rashmi Doshi</i> , FCC Topics: Administration EMC Review Location: Green Auditorium | |
| 5:15 PM | First Bus pick up at NIST to Gaithersburg Hilton Hotel | |
| 5:45 PM | Second Bus pick up at NIST to Gaithersburg Hilton Hotel | |
| 6:30 PM | <i>Reception at the Gaithersburg Hilton Hotel</i> Sponsored by the TCB Council Website: http://www.tcbcouncil.org/ | |

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Friday, October 7, 2005
NIST Administration Building 101

| Track One – Green Auditorium | | Track Two – Employee Lounge |
|-------------------------------------|---|---|
| 8:00 AM | First Bus pick up at Gaithersburg Hilton Hotel to NIST | |
| 8:30 AM | Second Bus pick up at Gaithersburg Hilton Hotel to NIST | |
| 9:00-9:30 | <i>TCBC Application Review and Grant Conditions Panel</i> Moderator: <i>Rashmi Doshi, FCC</i> Panelists: <i>Kwok Chan, FCC</i> <i>Tim Harrington, FCC</i> <i>Martin Perrine, FCC</i> Topics: Technical Review of Applications RF Exposure Requirements Hearing Aid Compatibility Requirements Grant Notes Location: Green Auditorium | |
| 9:30-10:30 | <i>TCBC Application Review and Grant Conditions Panel (continued)</i> | <i>FCC Overview of RF Safety Requirements</i> <i>Kwok Chan</i> Physical Scientist, FCC |
| 10:30-11:00 | <i>Coffee Break</i> Sponsored by ANSI Website: http://www.ansi.org/ | |
| 11:00-12:30 | <i>Technology Update -- 3G and Beyond</i> <i>Kourosh Parsa, Ph.D.</i> Senior Wireless Systems Engineer Ortronics/Legrand | <i>FCC Part 22/24 RF Safety Overview</i> <i>Martin Perrine</i> Electronics Engineer, FCC |
| 12:30-1:30 | <i>Buffet Lunch</i> Sponsored by Northwest EMC Website: http://www.nwemc.com/ | |
| 1:30-3:00 | <i>Technology Update – Applications of Zigbee Technology</i> <i>John Lin, Ph.D.</i> Global Business Development Manager TÜV Rheinland, N.A. | <i>FCC RF Safety for Portable & Mobile Devices</i> <i>Tim Harrington</i> Electronics Engineer, FCC |

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| 3:00-3:30 | <i>Refreshment Break</i> Sponsored by Rhein Tech Laboratories Website: http://www.rheintech.com/ |
| 3:30-4:30 | <i>FCC RF Safety Update and Q&A Session</i> <i>Kwok Chan, Martin Perrine, and Tim Harrington, FCC</i> |
| 4:45 PM | First Bus pick up at NIST to Gaithersburg Hilton Hotel |
| 5:15 PM | Second Bus pick up at NIST to Gaithersburg Hilton Hotel |